

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NO. 056859-0189

Applicant: Arun Kumar SINHA et al.

Title: DDQ MEDIATED ONE STEP DIMERISATION OF β -ASARONE
OR β -ASARONE RICH ACORUS CALAMUS OIL IN THE
FORMATION OF NOVEL NEOLIGNAN

Appl. No.: Unassigned

Filing Date: 09/12/2003

Examiner: Unassigned

Art Unit: 1621

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56

Mail Stop PATENT APPLICATION
Commissioner for Patents
PO Box 1450
Alexandria, Virginia 22313-1450

Sir:

The USPTO has waived the requirement under 37 CFR 1.98(a)(2)(i) to submit copies of U.S. patents and U.S. patent application publications when citing and submitting an Information Disclosure Statements in a patent application filed after June 30, 2003 and in an international application that has entered the national stage under 37 USC §371 after June 30, 2003. Accordingly, copies of these types of documents are not being supplied in connection with this application. Reference is being made to Pre-OG Notice from Office of Patent Legal Administration dated July 25, 2003, *Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications filed after June 30, 2003*.

Applicants submit herewith on Form PTO/SB/08 a listing of the documents cited by or submitted to the U.S. PTO in parent application Serial No. 10/108,269, filed March 28, 2002. As provided in 37 CFR §1.98(d), copies of Documents A1-A80 are not being provided since they were previously submitted to the United States Patent & Trademark Office in the above-identified parent application. A copy of Document A81 is attached herewith.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(b), within three (3) months of the filing date of the application.

RELEVANCE OF EACH DOCUMENT

The relevance of the documents is explained in the parent application.

Applicants respectfully request that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

Date September 12, 2003

FOLEY & LARDNER

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Attorney for Applicant
Registration No. 32,904

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: September 12, 2003 (use as many sheets as necessary)				Complete if Known		
				Application Number		Unassigned
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				First Named Inventor		Arun Kumar SINHA et al.
				Group Art Unit		1621
				Examiner Name		Unassigned
Sheet	1	of	5	Attorney Docket Number		056859-0189

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	A1	3,769,350		PERRY, et al.	10/30/1973	
	A2	4,540,709		CHANG, et al.	09/10/1985	
	A3	4,873,349		ROBIN, et al.	10/10/1989	
	A4	5,639,782		SHEN, et al.	06/17/1997	
	A5	6,136,992		RAM, et al.	10/24/2000	

FOREIGN PATENT DOCUMENTS							
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	A6	Kawazoe, et al.; <i>J. Nat. Prod.</i> ; 2001; Vol. 64; 588-591	
	A7	Motley; <i>Economic Botany</i> ; 1994; Vol. 48; 397-412	
	A8	Stauffer, et al.; <i>J. Med. Chem.</i> 2000; Vol. 43; 4934-4947	
	A9	Meyers, et al.; <i>J. Med. Chem.</i> ; 2001; Vol. 44; 4230-3251	
	A10	Rao and Rao; <i>Journal of Natural Products</i> ; 01/1990; Vol. 53; No. 1; 212-215	
	A11	Suri, et al.; <i>Indian Journal of Chemistry</i> ; 06/1987; Vol. 26B; 587-588	
	A12	Poplawski, et al.; <i>J. Med. Chem.</i> ; 2000; Vol. 43; 3671-3676	
	A13	Högberg, et al.; <i>J. Med. Chem.</i> ; 1990; Vol. 33; 1155-1163	

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	A14	Parmar, et al.; <i>Phytochemistry</i> ; 1997 ; Vol. 46; No. 4; 597-627	
	A15	Mohagheghzadeh, et al.; <i>J. Nat. Prod.</i> ; 2002 ; Vol. 65; 69-71	
	A16	Charlton; <i>J. Nat. Prod.</i> ; 1998 ; Vol. 61; 1447-1451	
	A17	Hu, et al.; <i>Planta Med.</i> ; 2000 ; Vol. 66; 662-664	
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	A19	Nigam, et al.; <i>Indian Perfumer</i> ; 1990 ; Vol. 34; No. 4; 282-285	
	A20	Choudary, et al.; <i>Indian Journal of Chemistry</i> ; 03/1997 ; Vol. 36B; 278-280	
	A21	D ng, et al.; <i>J. Essent. Oil Res.</i> ; 01-02/1995 ; Vol. 7; 111-112	
	A22	Abel; <i>Planta Medica</i> ; 1987 ; 251-253 (Abstract in English)	
	A23	Hernandez, et al.; <i>Planta Med.</i> ; 1993 ; Vol. 49; 121-124	
	A24	Filleur, et al.; <i>Planta Med.</i> ; 2001 ; Vol. 67; 700-703	
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	A26	Nagase, et al.; <i>Planta Med.</i> ; 2001 ; Vol. 67; 705-708	
	A27	Ikarashi, et al.; <i>Planta Med.</i> ; 2001 ; Vol. 67; 709-713	
	A28	Shimomura, et al.; <i>Phytochemistry</i> ; 1987 ; Vol. 26; No. 5; 1513-1515	
	A29	Clark-Lewis and V. Nair; <i>Flavan Derivatives</i> ; Vol. XVI; 2141-2149	
	A30	Kumar; <i>J. Org. Chem.</i> ; 1985 ; Vol. 50; 3070-3073	
	A31	Doering and Berson; <i>J.A.C.S.</i> ; 1950 ; Vol. 72; 1118-1123	

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	A32	Lazutka, et al.; <i>Food and Chemical Toxicology</i> ; 2001 ; Vol. 29; 485-492	
	A33	Oprean, et al.; <i>Journal of Pharmaceutical and Biomedical Analysis</i> ; 1998 ; Vol. 18; 227-234	
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	A36	Garduño, et al.; <i>Journal of Ethnopharmacology</i> ; 1997 ; Vol. 55; 161-163	
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	A38	Juhász, et al.; <i>J. Nat. Prod.</i> ; 2000 ; Vol. 63; 866-870	
	A39	Ahn, et al.; <i>J. Nat. Prod.</i> ; 2001 ; Vol. 64; 1562-1564	
	A40	Kikuzaki, et al.; <i>Phytochemistry</i> ; 2001 ; Vol. 56; 109-114	
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	A42	Hampl, et al.; <i>Casopis Lakaru Ceskych</i> ; 2000 ; Vol. 139; Supp. 1; 31-33 (Abstract)	
	A43	Huynh, et al.; <i>Archives of Biochemistry and Biophysics</i> ; 10/1986 ; Vol. 250; Iss. 1; 186-196 (Abstract)	
	A44	Juhasz, et al.; <i>Journal of Natural Products</i> ; 2000 ; Vol. 62; Iss. 6; 866-860 (Abstract)	
	A45	Curro, et al.; <i>Journal of Chromatography A</i> ; 1987 ; Vol. 404; 273-278 (Abstract)	
	A46	Mazza; <i>Journal of Chromatography A</i> ; 1985 ; Vol. 328; 179-194 (Abstract)	
	A47	Hwu, et al.; <i>J. Med. Chem.</i> ; 1998 ; Vol. 41; No. 16; 2994-3000	
	A48	Chen, et al.; <i>J. Med. Chem.</i> ; 1998 ; Vol. 41; No. 16; 3001-3007	
	A49	Donnelly, et al.; <i>Tetrahedron Letters</i> ; 1991 ; Vol. 32; No. 31; 3835-3836	

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	A50	Juhász, et al.; <i>Tetrahedron Letters</i> ; 2000; Vol. 41; 2491-2494	
	A51	Minato, et al.; <i>Tetrahedron Letters</i> ; 1980; Vol. 21; 4017-4020	
	A52	Becker and Beroza; <i>Tetrahedron Letters</i> No. 4; 1962; 157-163	
	A53	Yamamura, et al.; <i>Tetrahedron Letters</i> ; 1978; Vol. 49; 4891-4894	
	A54	Gezginci and Timmermann; <i>Tetrahedron Letters</i> ; 2001; Vol. 42; 6083-6085	
	A55	Kadota, et al.; <i>Tetrahedron Letters</i> ; 1987; Vol. 28; No. 25; 2857-2860	
	A56	Dhal, et al.; <i>Tetrahedron</i> ; 1994; Vol. 50; No. 4; 1153-1164	
	A57	Syrjänen and Brunow; <i>Tetrahedron</i> ; 2001; Vol. 57; 365-370	
	A58	Robin and Landais; <i>Tetrahedron</i> ; 1992; Vol. 48; No. 5; 819-830	
	A59	MacMillan, et al.; <i>Tetrahedron</i> ; 1969; Vol. 25; 905-914	
	A60	Ward; <i>Tetrahedron</i> ; 1990; Vol. 46; No. 15; 5029-5041	
	A61	Chattopadhyay and Rao; <i>Tetrahedron</i> ; 1987; Vol. 43; No. 4; 669-678	
	A62	Schiestl, et al.; <i>Mutation Research</i> ; 1989; Vol. 224; Iss. 4; 427-436 (Abstract)	
	A63	Kim, et al.; <i>Carcinogenesis</i> ; 1999; Vol. 20; Iss. 7; 1303-1307 (Abstract)	
	A64	Kikuchi, et al.; <i>Chem. Pharm. Bull.</i> ; 1983; Vol. 31; No. 3; 1112-1114	
	A65	Perry, et al.; <i>J. Org. Chem.</i> ; 1972; Vol. 37; No. 26; 4371-4376	
	A66	Tanaka, et al.; <i>Bioorganic & Medicinal Chemistry Letters</i> 12; 2002; 623-627	
	A67	Jensen, et al.; <i>Phytochemistry</i> ; 1993; Vol. 33; No. 3; 523-530	

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	A68	Dias; <i>Phytochemistry</i> ; 1988 ; Vol. 27; No. 9; 3008-3009	
	A69	Badheka, et al.; <i>Phytochemistry</i> ; 1987 ; Vol. 26; No. 7; 2033-2036	
	A70	Saxena; <i>Phytochemistry</i> ; 1986 ; Vol. 25; No. 2; 553-555	
	A71	Wenkert, et al.; <i>Phytochemistry</i> ; 1976 ; Vol. 15; 1547-1551	
	A72	Moss; <i>Pure Appl. Chem.</i> ; 2000 ; Vol. 72; No. 8; 1493-1523	
	A73	MacRae and Towers; <i>Phytochemistry</i> ; 1984 ; Vol. 23; No. 6; 1207-1220	
	A74	Sachio, et al.; Abstract of EP0597107 A4; 1994	
	A75	Masaaki, et al.; Abstract of JP2001139579; 2001	
	A76	Liu et al., "Chemical Structure of 1,3-bis (2,4,5-trimethoxy)phenyl-2-pentene-1," <i>Fenxi Hauxue</i> , 1994 , Vol. 22, No. 4, pp. 355-358.	
	A77	Lander et al. "Light-Induced Transformation of Ararone," <i>Flavour and Fragrance Journal</i> , 1991 , Vol. 6, No. 1, pp. 21-28.	
	A78	Lemini et al., "Structure of (E)-1-methyl-1,3-bis(2,4,5-thimethoxyphenyl)-1-pentene and 1(2,4,5-thimethoxyphenyl)-2-methyl-3-ethyl-...Asarone Dimers," <i>Acta Crystallographica</i> , Section C: Crystal Structure Communications, 1990 , Vol. C46, No. 8, pp. 1542-1545.	
	A79	Bohlmann et al., "The Active Substances of Asarum Europaeum L. XV Structure of the Diasarones," <i>Archiv der Pharmazie</i> , 1982 , Vol. 315, No. 5, pp. 474-476.	
	A80	Lemini et al., "Synthesis of a Novel Asarone Dimer," <i>Organic Preparations and Procedures International</i> , 1981 , Vol. 13, No. 5, pp. 374-378.	
	A81	Fornes et al., "Carbenium Ions Generated Upon Adsorption of 4-Methoxystyrenes Onto Acid Zeolites. A Kinetic Study," <i>Tetrahedron</i> , Elsevier Science Ltd., 1998 , Vol. 54, pp. 3827-3832.	

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